

AMENDMENTS TO THE CLAIMS

1-112. (Cancelled)

113. (Withdrawn - Currently Amended) A method for inhibiting an interaction between a protein that interacts with a c-Jun protein and the c-Jun protein, which comprises adding, to a system in which an interaction between the protein and the c-Jun protein occurs, a protein of the following (a) or (b):

(a) a protein comprising any one of the amino acid sequences of

~~SEQ ID NOS: 1 to 69, SEQ ID NOS: 70 to 87, SEQ ID NOS: 88 to 94, SEQ ID NOS: 95 to 99, SEQ ID NOS: 100 to 104, SEQ ID NOS: 105 to 108, SEQ ID NOS: 109 to 111, SEQ ID NOS: 112 and 113, SEQ ID NOS: 114 and 115, SEQ ID NOS: 116 and 117, SEQ ID NOS: 118 and 119, SEQ ID NOS: 120 and 121, SEQ ID NOS: 122 and 123, and SEQ ID NOS: 124 and 125,~~

(b) a protein that comprises an amino acid sequence showing a homology of 95% or more to any one of the amino acid sequences of SEQ ID NOS: 1 to 69, SEQ ID NOS: 70 to 87, SEQ ID NOS: 88 to 94, SEQ ID NOS: 95 to 99, SEQ ID NOS: 100 to 104, SEQ ID NOS: 105 to 108, SEQ ID NOS: 109 to 111, SEQ ID NOS: 112 and 113, SEQ ID NOS: 114 and 115, SEQ ID NOS: 116 and 117, SEQ ID NOS: 118 and 119, SEQ ID NOS: 120 and 121, SEQ ID NOS: 122 and 123, and SEQ ID NOS: 124 and 125, including deletion, substitution or addition of one or several amino acid residues and interacts with the c-Jun protein.

114. (Withdrawn - Currently Amended) The method according to claim 113, wherein the protein of ~~the following~~ (a) or (b) comprises any one of the amino acid sequences of ~~SEQ ID NOS: 1 to 69, SEQ ID NOS: 70 to 87, SEQ ID NOS: 88 to 94, SEQ ID NOS: 95 to 99, SEQ ID NOS: 100 to 104, SEQ ID NOS: 105 to 108, SEQ ID NOS: 109 to 111, SEQ ID NOS: 112 and 113, SEQ ID NOS: 114 and 115, SEQ ID NOS: 116 and 117, SEQ ID NOS: 118 and 119, SEQ ID NOS: 120 and 121, SEQ ID NOS: 122 and 123, and SEQ ID NOS: 124 and 125.~~

115. (Withdrawn - Currently Amended) The method according to claim 114, wherein the protein of ~~the following~~ (a) or (b) is a protein translated from a nucleic acid of the following (a) or (b):

(a) a nucleic acid comprising any one of the nucleotide sequences of ~~SEQ ID NOS: 126 to 199, SEQ ID NOS: 200 to 217, SEQ ID NOS: 218 to 224, SEQ ID NOS: 225 to 229, SEQ ID NOS: 230 to 234, SEQ ID NOS: 235 to 238, SEQ ID NOS: 239 to 241, SEQ ID NOS: 242 and 243, SEQ ID NOS: 244 and 245, SEQ ID NOS: 246 and 247, SEQ ID NOS: 248 and 249, SEQ ID NOS: 250 and 251, SEQ ID NOS: 252 and 253, and SEQ ID NOS: 254 and 255,~~

(b) a nucleic acid that hybridizes with a nucleic acid comprising any one of the nucleotide sequences of ~~SEQ ID NOS: 126 to 199, SEQ ID NOS: 200 to 217, SEQ ID NOS: 218 to 224, SEQ ID NOS: 225 to 229, SEQ ID NOS: 230 to 234, SEQ ID NOS: 235 to 238, SEQ ID NOS: 239 to 241, SEQ ID NOS: 242 and 243, SEQ ID NOS: 244 and 245, SEQ ID NOS: 246 and 247, SEQ ID NOS: 248 and 249, SEQ ID NOS: 250 and 251, SEQ ID NOS: 252 and 253, and SEQ ID NOS: 254 and 255,~~ under a stringent condition comprising washing in 0.1 x SSC/0.1% SDS for 15 minutes at 60°C and encodes a protein that interacts with the c-Jun protein.

116. (Withdrawn - Currently Amended) The method according to claim 115, wherein the nucleic acid comprises any one of the nucleotide sequences of ~~SEQ ID NOS: 126 to 199, SEQ ID NOS: 200 to 217, SEQ ID NOS: 218 to 224, SEQ ID NOS: 225 to 229, SEQ ID NOS: 230 to 234, SEQ ID NOS: 235 to 238, SEQ ID NOS: 239 to 241, SEQ ID NOS: 242 and 243, SEQ ID NOS: 244 and 245, SEQ ID NOS: 246 and 247, SEQ ID NOS: 248 and 249, SEQ ID NOS: 250 and 251, SEQ ID NOS: 252 and 253, and SEQ ID NOS: 254 and 255.~~

117. (Currently Amended) A method for detecting an interaction between a bait and a prey, which comprises bringing the bait and the prey into contact and detecting a complex formed by the contact, wherein the bait is a protein of the following (a) or (b) or a protein translated from a nucleic acid of the following (a') or (b'):

(a) a protein comprising any one of the amino acid sequences of ~~SEQ ID NOS: 1 to 69, SEQ ID NOS: 70 to 87, SEQ ID NOS: 88 to 94, SEQ ID NOS: 95 to 99, SEQ ID NOS: 100 to 104, SEQ ID NOS: 105 to 108, SEQ ID NOS: 109 to 111, SEQ ID NOS: 112 and 113, SEQ ID NOS: 114 and 115, SEQ ID NOS: 116 and 117, SEQ ID NOS: 118 and 119, SEQ ID NOS: 120 and 121, SEQ ID NOS: 122 and 123, and SEQ ID NOS: 124 and 125,~~

(b) a protein that comprises an amino acid sequence showing a homology of 95% or more to any one of the amino acid sequences of ~~SEQ ID NOS: 1 to 69, SEQ ID NOS: 70 to 87, SEQ ID~~

~~NOS: 88 to 94, SEQ ID NOS: 95 to 99, SEQ ID NOS: 100 to 104, SEQ ID NOS: 105 to 108, SEQ ID NOS: 109 to 111, SEQ ID NOS: 112 and 113, SEQ ID NOS: 114 and 115, SEQ ID NOS: 116 and 117, SEQ ID NOS: 118 and 119, SEQ ID NOS: 120 and 121, SEQ ID NOS: 122 and 123, and SEQ ID NOS: 124 and 125, including deletion, substitution or addition of one or several amino acid residues and interacts with a c-Jun protein,~~

(a') a nucleic acid comprising any one of the nucleotide sequences of ~~SEQ ID NOS: 126 to 199, SEQ ID NOS: 200 to 217, SEQ ID NOS: 218 to 224, SEQ ID NOS: 225 to 229, SEQ ID NOS: 230 to 234, SEQ ID NOS: 235 to 238, SEQ ID NOS: 239 to 241, SEQ ID NOS: 242 and 243, SEQ ID NOS: 244 and 245, SEQ ID NOS: 246 and 247, SEQ ID NOS: 248 and 249, SEQ ID NOS: 250 and 251, SEQ ID NOS: 252 and 253, and SEQ ID NOS: 254 and 255,~~

(b') a nucleic acid that hybridizes with a nucleic acid comprising any one of the nucleotide sequences of ~~SEQ ID NOS: 126 to 199, SEQ ID NOS: 200 to 217, SEQ ID NOS: 218 to 224, SEQ ID NOS: 225 to 229, SEQ ID NOS: 230 to 234, SEQ ID NOS: 235 to 238, SEQ ID NOS: 239 to 241, SEQ ID NOS: 242 and 243, SEQ ID NOS: 244 and 245, SEQ ID NOS: 246 and 247, SEQ ID NOS: 248 and 249, SEQ ID NOS: 250 and 251, SEQ ID NOS: 252 and 253, and SEQ ID NOS: 254 and 255,~~ under a stringent condition comprising washing in 0.1 x SSC/0.1% SDS for 15 minutes at 60°C and encodes a protein that interacts with a c-Jun protein.

118. (Currently Amended) The method according to claim 117, wherein the protein comprises any one of the amino acid sequences of ~~SEQ ID NOS: 1 to 69, SEQ ID NOS: 70 to 87, SEQ ID NOS: 88 to 94, SEQ ID NOS: 95 to 99, SEQ ID NOS: 100 to 104, SEQ ID NOS: 105 to 108, SEQ ID NOS: 109 to 111, SEQ ID NOS: 112 and 113, SEQ ID NOS: 114 and 115, SEQ ID NOS: 116 and 117, SEQ ID NOS: 118 and 119, SEQ ID NOS: 120 and 121, SEQ ID NOS: 122 and 123 and SEQ ID NOS: 124 and 125.~~

119. (Currently Amended) The method according to claim 117, wherein the nucleic acid comprises any one of the nucleotide sequences of ~~SEQ ID NOS: 126 to 199, SEQ ID NOS: 200 to 217, SEQ ID NOS: 218 to 224, SEQ ID NOS: 225 to 229, SEQ ID NOS: 230 to 234, SEQ ID NOS: 235 to 238, SEQ ID NOS: 239 to 241, SEQ ID NOS: 242 and 243, SEQ ID NOS: 244 and 245, SEQ ID NOS: 246 and 247, SEQ ID NOS: 248 and 249, SEQ ID NOS: 250 and 251, SEQ ID NOS: 252 and 253, and SEQ ID NOS: 254 and 255.~~

120. (Previously Presented) A method for screening for a prey that interacts with a bait, which comprises the step of detecting an interaction between the bait and a prey by the method according to claim 117 and the step of selecting a prey for which an interaction is detected.

121. (Previously Presented) A method for screening for a prey that interacts with a bait, which comprises the step of detecting an interaction between the bait and the prey by the method according to claim 118 and the step of selecting a prey for which an interaction is detected.

122. (Previously Presented) A method for screening for a prey that interacts with a bait, which comprises the step of detecting an interaction between the bait and a prey by the method according to claim 119 an the step of selecting a prey for which an interaction is detected.